

AMENDMENTS TO THE CLAIMS

1.-64. (Canceled)

65. (New) An event gateway apparatus, comprising:
a network interface that is communicatively coupled to a network comprising a logical group having two or more packet data routers as members;
an event bus interface that is communicatively coupled to a software event bus configured to receive event subscribe requests comprising subject identifiers, to logically subscribe a specified network device to events having a matching subject identifier, and to logically publish events having the matching subject identifier to the specified network device;
a data store comprising a stored mapping that associates a plurality of routers with the logical group and that associates the logical group with one or more events that can pass over the event bus to the router;
automatic event subscription logic encoded in one or more media for execution and when executed operable to:
receive an event subscribe request from the router that includes a router identifier that uniquely identifies the router and an event identifier;
in response to receiving the event subscribe request: locating the router identifier and the event identifier in the mapping; identifying the logical group of which the router is a member; based on the logical group, router identifier and event identifier, identifying an event subject list that identifies all subjects that are available using the event bus and to which the router should subscribe; and sending one or more event subscribe requests to the event bus that request the event bus to subscribe the router to all events in the event subject list.

66. (New) The apparatus of claim 65 wherein the automatic event subscription logic when executed is operable to receive application-specific mapping information from an

application program and updating the mapping using the application-specific mapping information.

67. (New) The apparatus of claim 66 wherein the automatic event subscription logic when executed is operable to receive application-specific mapping information from an application program in XML format using a data access component that transforms the application-specific mapping information from XML format into a canonical object model format.
68. (New) The apparatus of claim 66 wherein the mapping comprises an association of stored values that identify for each of the routers, an application, a group identifier, an event of the one or more events, a network device identifier, one or more published events, and one or more subscribed events.
69. (New) The apparatus of claim 66 wherein the automatic event subscription logic when executed is operable to receive a publish request that includes a router identifier for one of the routers in the logical group or a group identifier of the logical group, and the event identifier.
70. (New) A computer-readable storage medium encoded with logic for automatically subscribing a router of a packet-switched network to a plurality of events applicable to a logical group of which the router is a member, which when executed is operable to:
interface to a network comprising a logical group having two or more packet data routers
as members;
interface to a software event bus configured to receive event subscribe requests
comprising subject identifiers, to logically subscribe a specified network device to
events having a matching subject identifier, and to logically publish events having
the matching subject identifier to the specified network device;

create and store a mapping that associates a plurality of routers with the logical group and that associates the logical group with one or more events that can pass over the event bus to the router;

receive an event subscribe request from the router that includes a router identifier that uniquely identifies the router and an event identifier;

in response to receiving the event subscribe request: locating the router identifier and the event identifier in the mapping; identifying the logical group of which the router is a member; based on the logical group, router identifier and event identifier, identifying an event subject list that identifies all subjects that are available using the event bus and to which the router should subscribe; and sending one or more event subscribe requests to the event bus that request the event bus to subscribe the router to all events in the event subject list.

71. (New) An apparatus for automatically subscribing a router of a packet-switched network to a plurality of events applicable to a logical group of which the router is a member, comprising:
- means for interfacing to a network comprising a logical group having two or more packet data routers as members;
- means for interfacing to a software event bus configured to receive event subscribe requests comprising subject identifiers, to logically subscribe a specified network device to events having a matching subject identifier, and to logically publish events having the matching subject identifier to the specified network device;
- means for storing a mapping that associates a plurality of routers with the logical group and that associates the logical group with one or more events that can pass over the event bus to the router;
- means for receiving an event subscribe request from the router that includes a router identifier that uniquely identifies the router and an event identifier;
- means for performing, in response to receiving the event subscribe request: locating the router identifier and the event identifier in the mapping; identifying the logical group of which the router is a member; based on the logical group, router identifier and event identifier, identifying an event subject list that identifies all

subjects that are available using the event bus and to which the router should subscribe; and sending one or more event subscribe requests to the event bus that request the event bus to subscribe the router to all events in the event subject list.

72. (New) The apparatus of claim 71 wherein the automatic event subscription logic when executed is operable to receive application-specific mapping information from an application program and updating the mapping using the application-specific mapping information.
73. (New) The apparatus of claim 71 wherein the automatic event subscription logic when executed is operable to receive application-specific mapping information from an application program in XML format using a data access component that transforms the application-specific mapping information from XML format into a canonical object model format.
74. (New) The apparatus of claim 71 wherein the mapping comprises an association of stored values that identify for each of the routers, an application, a group identifier, an event of the one or more events, a network device identifier, one or more published events, and one or more subscribed events.
75. (New) The apparatus of claim 71 wherein the automatic event subscription logic when executed is operable to receive a publish request that includes a router identifier for one of the routers in the logical group or a group identifier of the logical group, and the event identifier.